9. Randy

Program Name: Randy.java **Input File: randy.dat**

Randy loves to go bowling, and needs your help writing a program to calculate the final score of a game, given a full score card. The final score is the sum of all 10 frames according to the following standard rules of bowling.

Strike (Denoted as X)
If you knock down all 10 pins in the first shot of a frame, you get a strike. No further shot is rolled for the current frame.
How to score: A strike earns 10 points for the frame, plus the sum of the pins knocked down in the next *two* shots in following frames.

Spare (Denoted as /)
If you knock down all 10 pins using both shots of a frame, you get a spare.
How to score: A spare earns 10 points for the frame, plus the number of pins knocked down in the first shot of the next frame.

Open Frame
If you do not knock down all 10 pins using both shots of your frame (9 or fewer pins knocked down), you have an open frame.
How to score: An open frame only earns the number of pins knocked down in that frame.

The 10th Frame
The 10th frame is a bit different:
If you roll a strike in the first shot of the 10th frame, you get 2 more shots immediately.
If you roll a spare in the first two shots of the 10th frame, you get 1 more shot immediately.
If you leave the 10th frame open after two shots, the game is over and you do not get an additional shot.
How to Score: The score for the 10th frame is the total number of pins knocked down for all the rolls in the 10th frame.

Input: Input starts with a line containing an integer N (1<=N<=10), the number of test cases. The following N lines consist of a single player's full score card from a complete game of bowling. An X represents a strike, and a / represents a spare. All inputs will be valid, complete games. No validation of input is needed.

Output: For each test case, output the final score of that game.

Sample Input:

```
10
X9/406/X90XX636/X
XXXXXXXXXXXX
53628180908160819052
X639/XXX5/8/6/7/X
0/0/0/0/0/0/0/0/0/0
X0/0/X0/00XXX0/X
XXXXXXXXXXX9
9/06X8/3/X06367/X62
81X9/XX903/XXX5/
X4/30XX42X9/7/XXX
```

Sample Output:

```
160
300
82
194
100
170
299
138
201
169
```